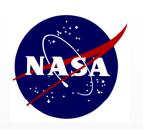


# NASA Astronaut Selection 2009:

## Behavioral Overview

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## Background

- Behavioral Health and Performance (BHP) is an operational group under medical sciences at NASA/Johnson Space Center
- Astronaut applicant screening and assessment is one function of this group, along with psychological training, inflight behavioral support and family services.
- Direct BHP assessment spans 6-7 months of a 17-month overall selection process



## **Applicants**

- 3535 applications
- 113 invited to Round 1 initial Astronaut Selection Board (ASB) interview, medical review and psychological testing
- 48 individuals invited back for Round 2 ASB interview, full medical testing, behavioral interview and assessment



#### Goals and Methods

- Two primary goals are clinical screening and suitability assessment
- Clinical screening is primarily medical in nature, screening for active or potential psychiatric dysfunction
  - Methods: Clinical interview, psychological testing, staffing
  - User: Aerospace Medical Board (AMB)
  - Go/No-Go role





#### Goals and Methods

- Suitability Assessment is primarily psychological in nature, assessing for jobperson fit
  - Methods: Structured interview, psychological testing, staffing, behavioral observation
  - User: Astronaut Selection Board (ASB)
  - Advisory/consultative role





## Sample of Proficiencies

- Mental/emotional stability
- Ability to perform under stressful conditions
- Teamwork skills
- Motivation
- Communication skills
- Ability to cope with prolonged family separations





#### Outcome

- 9 astronaut candidates (ASCANs) selected to start training
  - 6 male, 3 female
  - Age range: 30-43
  - Average over 20 years of education
  - Most married
  - None had interviewed in previous selection cycles
- Two-round approach gave more face time to enable better long duration assessment





### 2009 Astronaut Candidates

- Serena M. Aunon, M.D. physician, flight surgeon
- Jeanette J. Epps technology intelligence, CIA
- Jack D. Fischer MAJ USAF, test pilot
- Michael S. Hopkins LTC USAF
- Kjell N. Lindgren physician, flight surgeon
- Kathleen (Kate) Rubins biomedical research, MIT
- Scott D. Tingle CDR USN, test pilot
- Mark T. Vande Hei LTC USA, flight controller
- Gregory (Reid) Wiseman LCDR USN, test pilot